

10 GHz	June 2004 SDMWG EIRP/MDS Event					Range Feet	220		Path Loss dB	89
NB 10368										
Call	Dish size "	Output dBm	ERP PM dBm	Atten. Value dB	MDS Gen dBm	Calc Ant Gain	Calc ERP dBm	Meas ERP	Meas Calc	
KF6NKC	18	24.5	-5.5	10	-84	31	55	61	5	
KC6UQH	18	27	-8	10	-80	31	58	58	0	
KC6UQH	33	29	-8	20	-90	36	65	68	3	
KF6C	30			10	-83	35				
24 GHz										95
K6QPV BCN		20	-38	0		16	36	27	-9	
WB frequency is 10280 MHz, IF is 57 MHz with 10.5 dB cable loss & amp gain of 46 db										
NB frequency is 10368 MHz, IF is 145 MHz with 18 dB cable loss & amp gain of 46 dB										
Ant gain Calc assumes 64% efficiency =7+20*LOG(size inches/12)+20*LOG(freq in GHz)										
Measured ERP = Power meter reading+Attenuator + Pathloss +Cable & Mixer loss-Amp & Horn gain										
Path Loss = -37.5+20*LOG(Dist in feet)+20*LOG(Freq MHz)										